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**OFFICIAL**

As I have mentioned in your voice mail, I am very grateful to have you as my patent examiner again. You were very courteous and make the patent application process very enjoyable and I am looking forward to working with you again.

As before, I am a Pro Se applicant, so please bear with me as I respond to your Office Action. Some of the terminology is foreign to me but I believe I understand the "gist" of your letter.

First. The preferred embodiment is now shown by Figs 16-19.

In addition, please make the following corrections.

On or about line 50, please substitute for:

#### OBJECT OF THE INVENTION

It is therefore an object of the present invention to provide a device for removing volatile contaminants from liquid that utilizes heat from the liquid to effect vaporization of the contaminants, rather than a separate heating element.

It is further object of the present invention to provide such a device that is small and compact, and conveniently fastens to existing liquid filter mounts.

This:

#### OBJECT OF THE INVENTION

It is therefore an object of the present invention to provide a device for removing volatile contaminants from liquid that utilizes heat from the liquid and/or the environment to effect vaporization of the contaminants, rather than a separate heating element.

It is further object of the present invention to provide such a device that is small and compact, and conveniently fastens to existing liquid filter mounts.

On or about line 60, please substitute for:

#### SUMMARY OF THE INVENTION

The liquid purifying device (10) of the present invention is utilized for separating and removing volatile contaminants from liquids. In one embodiment, the device incorporates a self-contained particle filter (32) for filtering particles from the contaminated liquid. The liquid purifying device (10) itself comprises a distillation/evaporation chamber positioned essentially between the liquid source and the particle filter, and receives contaminated liquid that has been filtered by the filter media (20).

This:

#### SUMMARY OF THE INVENTION

The liquid purifying device (10) of the present invention is utilized for separating and removing volatile contaminants from liquids. The liquid purifying device (10) itself comprises a distillation/evaporation chamber positioned essentially between the liquid source and a particle filter, and receives contaminated liquid that has been filtered by the particle filter (32).

On or about line 67, please substitute for:

Heat for distillation/evaporation of the volatile contaminants from the liquid acting ...

This:

Heat for distillation/evaporation of the volatile contaminants from the liquid and/or the environment acting ...

On or about line 72, please substitute for:

thin-film evaporation process, wherein a liquid is spread into a thin film and heated,

this:

thin-film evaporation process, wherein a liquid is spread into a hot thin film,

On or about line 120, please substitute for:

FIG. 1 is a vertical sectional view of the liquid purifying device of the present invention including the particulate filter.

This:

FIG. 1 is a vertical sectional view of the liquid purifying device of the present invention.

On or about line 185, please substitute for:

Turning now to the drawings, and initially to Fig. 1, the liquid purifying device is shown generally illustrated by the numeral 10. The device includes a combination liquid purifying device to liquid source attachment means (14), filter to liquid purifying device attachment means (40), liquid communication conduits (12), and liquid filter (32).

This:

Turning now to the drawings, and initially to Fig. 1, the liquid purifying device is shown generally illustrated by the numeral 10.

On or about line 200, please substitute for:

The distillation/evaporation chamber is located in-between the engine and filter for a number of reasons: (1) simplicity; (2) efficient use of space; (3) to maintain the oil at the proper temperature for contaminant evaporation; (4) minimization of oil piping and connections. In a preferred embodiment of the present invention, a three micron particulate filter is used for the filter media in order to optimize the filtration.

This:

The distillation/evaporation chamber is located in-between the engine and filter for a number of reasons: (1) simplicity; (2) efficient use of space; (3) to maintain the oil at the proper temperature for contaminant evaporation; (4) minimization of oil piping and connections.

On or about line 223, please substitute for:

Referring again to Fig. 1, it can be seen that purified liquid exit (24) communicates the purified oil from the distillation/evaporation chamber (22) to a location outside the chamber (which in the case of installation on an internal combustion engine, the oil would be communicated to an oil return line which returns the oil to the engine). Additionally, it can also be seen that vapor vent (20) communicates vaporized contaminants from within the distillation/evaporation chamber (22) to a location outside the chamber.

This:

Referring again to Fig. 1, it can be seen that purified liquid exit (24) communicates the purified liquid out from the distillation/evaporation chamber (22) to a location outside the chamber (which in the case of installation on an internal combustion engine, the oil would be communicated outside the chamber). Additionally, it can also be seen that vapor vent (20) communicates vaporized contaminants from within the distillation/evaporation chamber (22) to a location outside the chamber.

On or about line 241, please substitute for:

pressure drops considerably

This:

pressure drop

On or about line 370, please substitute for:

6. Apparatus as set forth in claim 5, further comprising;
- a filter adjacent to the distillation/evaporation chamber to remove particulate contaminants from the liquid.

This:

6. Apparatus as set forth in claim 5, further comprising;
- a filter mounting means adjacent to the distillation chamber.

On or about line 384, please substitute for:

8. Apparatus as set forth in claim 7, further comprising;
- a filter mounted to the housing to remove particulate contaminants from liquid flowing into the chamber.

9. Apparatus as set forth in claim 8, further comprising;  
a plurality of liquid communication conduits extending through the housing for  
the transmission of liquid to and from the filter.

This:

8. Apparatus as set forth in claim 7, further comprising;  
a filter mounting means.
9. Apparatus as set forth in claim 8, further comprising;  
a plurality of liquid communication conduits extending through the housing for  
the transmission of liquid to and from a filter.

Thank You,



Charles Lowry